

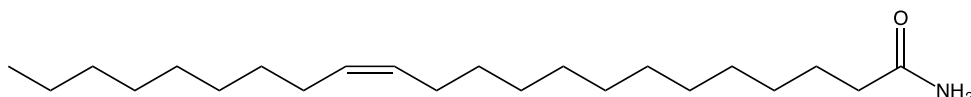
**Catalog # 10-4617**

**Erucamide**

CAS# 112-84-5

Cis-13-Docosenamide

Lot # FBA4179



Erucamide is an endogenous fatty acid amide. It was able to ameliorate depression and anxiety-like behaviors in several mouse models. Significantly lowered levels of circulating adrenocorticotrophic hormone (ACTH) and corticosterone (CORT) suggesting a mechanism of action involving modulation of the hypothalamus-pituitary-adrenal axis.

- 1) Li *et al.* (2017), *Antidepressant and anxiolytic-like behavioral effects of erucamide, a bioactive fatty acid amide, involving the hypothalamus-pituitary-adrenal axis in mice*; *Neurosci.Lett.* **640** 6

**PHYSICAL DATA**

Molecular Weight:	337.58
Molecular Formula:	C <sub>22</sub> H <sub>43</sub> NO
Purity:	>97% by TLC
	NMR: (Conforms)
Solubility:	DMSO (>40 mg/mL) and water (>25 mg/mL with warming)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

[www.focusbiomolecules.com](http://www.focusbiomolecules.com)